

Mountain View Corridor Air Working Group
Meeting Minutes
May 7, 2018
UTA Frontline Headquarters

Attendees:

- Reed Soper – UDOT Mountain View Corridor
- Cameron Cova – Breathe Utah
- Kathy Van Dame – Wasatch Clean Air Coalition
- Linda Hansen – PTA
- John Close – Utah Transit Authority
- Bo Call – Division of Air Quality
- Andy Neff – Langdon Group (facilitator)
- Andee DeVore – Langdon Group (co-facilitator)

Minutes:

- **Follow-up Items**
 - West Valley City AWG rep. – Joe and Linda will follow up with WVC to identify a rep.
- **MVC Construction Update**
 - The next phase of MVC construction to California Ave. could begin next year. Phase 2 transit still needs to be finalized.
- **Installation Status, Hillside Tour**
 - There have been delays with Hillside completion. Reed is meeting with Steve on May 8 and will get more information on status and cost to share with the Group for Hillside and the other three remaining schools. Once that meeting is held, a Hillside tour can be scheduled.
- **Budget Review**
 - Reed will clarify with Steve regarding West Valley Elementary and Whittier numbers that were not accurate in previous budget spreadsheet and share with the Group.
 - Brochure
 - Kathy brought up the AWG brochure from 2015 and proposed doing something similar in the future to help answer questions. The brochure is posted online: <http://www.udot.utah.gov/main/uconowner.gf?n=19977310975552408>
 - Reed suggested updating the cost table and installation status for each school. Other information is still relevant. The team can make a draft and circulate it to the Group.
 - Linda said Whittier and the community council did not know anything about the filtering. She suggested printing updated brochures to distribute, especially to principals and community councils. The Group would like to know what outreach Granite School District (GSD) has done with the schools.
 - Reed is drafting an agreement with GSD to address the upgrade budget shortfall: estimates from original agreement vs. today's expected costs. Before circulating to the Group, he wants to get Steve's comfort level on the numbers for the three other schools, which will be reflected in the agreement. There could be more cost changes. The draft does not require a legal review before the Group sees it.

- Cameron asked if there was clarity in these discussions in regards to the impact on the next phase monitoring budget. Reed noted the AWG has \$4.1 million total to spend.

- **Independent Evaluation Scope**

- Reed will work on the contract scope. The Group can help by just being ready to review it. Bo can help with the language for the measurements. Reed will use the scope of the previous indoor/outdoor monitoring as the basis since that gets closer to an apples-to-apples comparison.

- **Hunter High Portables and Annex**

- Steve will show Reed the brackets/adapters GSD manufactured for the portables so that they can put in the thicker filters for the systems. The AWG has paid GSD \$5,000 for the cost of those upgrades. Reed will get a status update from Steve. When it comes to doing the independent evaluation, it's questionable whether the Group wants to spend time looking at the portables since it's a short-term solution.
- Construction specifics for the Hunter High annex are unknown. The Group wants to ensure that a filtration system is incorporated into the design. Bo suggested asking GSD about its scope and filtration design standards. Are they designing to the higher AWG standard? If not, then the Group will need to ask more questions.
- Linda questioned who would cover annex filtration costs. Kathy said the in-out monitoring might help make that decision. The Group doesn't want to spend additional money, but once it's known how upgrades are performing, that could help with the decision.
- Bo mentioned it could be a challenge to represent the true value of the filters, so important there is an apples-to-apples comparison with monitoring efforts. Since the Group is going to a standardized filter efficiency level, that's an upgrade and the Group needs to decide whether it would be willing to participate in those incremental costs. These costs would be lower because equipment wouldn't be removed and replaced at the annex as in other areas.
- It isn't known if the annex wing is attached or removed from the main building. Linda said they're still trying to figure out where to put the wing because there are some issues with the site. Kathy thinks the two parcels should be considered separately. Bo is optimistic that in much less than 30 years, there will be a lot less emissions from vehicles.
- The last time Reed met with Steve, he indicated that they were very happy with the results at Hunter High. Reed will ask what GSD's plan is for the HVAC system there. It may make more sense to use just one type of system at Hunter instead of multiple.
- The Group will wait to hear if a decision on whether the annex is filtered to make a decision. The Group needs to know what the GSD is planning and then will make a decision on whether it will participate in the costs.
- Linda said the Hillside principal said there have been many fewer incidents of asthma attacks since the filters have gone in. Kathy requested Linda ask the principal to write something about that.

- **Annual Report**

- Reed suggested devoting a whole meeting to brainstorming different monitoring approaches.
- Bo said he thinks that since this project has started, there have been great advances in low-cost sensors and monitoring equipment. The Group could potentially buy these monitors and place more out there instead of having a couple really expensive machines. It might be helpful to have more low-cost machines that provide a different level of information but still

measure changes. It might be good to start going to other schools nearby and determine the differences. Bo will send out some more info. There are some drawbacks with low-cost sensors, but it's the wave of the future and anything the Group can do to at least consider that when the monitoring strategy is determined would be beneficial.

- Cameron mentioned that, with how much the air differs from classroom-to-classroom, she would rather have a low-cost monitor in many classroom that provides 95% accuracy than an expensive 99% accuracy monitor in one room.
- Reed said that, though the Group has had some frustrations with delays in getting information from GSD, it's important to remember this is a partnership. GSD volunteered to participate with some risk to themselves. Tasks at these five schools haven't necessarily followed the expected timeline or the budget and Reed just wanted to provide some context. The Group probably has to be the ones to push this to the finish line and remember that the goal is to provide cleaner air for the kids.
- Andy asked if would be helpful to involve GSD in future AWG meetings. Reed will coordinate with Steve on his availability and interest.
- Kathy will continue her follow-up with Carrie Kelly follow-up re: assistance with what measurements should be made.

- **Next Meeting**

- The Group will meet on Monday, July 16th at 10 a.m. at UTA. Monitoring approaches will be brainstormed at this meeting.
- The Group would like to consider consolidating school tours once installation status and timelines are better known.

- **5/7/18 Action Items**

- Reed will follow-up with Steve about the following items:
 - Status of Hillside installation and potential tour date(s)
 - Clarify West Valley Elementary and Whittier numbers that were not accurate in the previous budget spreadsheet
 - Scope of GSD outreach efforts with the five schools
 - Updated timetable for when the work will be done on the other three schools
 - Future costs and budget
 - GSD's plan for HVAC system and design scope at Hunter High
 - GSD involvement in future AWG meetings
- Reed will update brochure cost table with figures that are both completed and pending.
- Reed will circulate the draft of the agreement to cover the budget shortfall once he speaks with Steve.
- Linda will ask the Hillside principal to write a letter about how there have been fewer incidents of asthma attacks since the filters were installed.
- Reed will continue drafting the independent evaluation contract scope.
- (Done) Bo will send info to the team about low-cost monitors.
 - <http://www.aqmd.gov/aq-spec>
 - <https://www.epa.gov/air-sensor-toolbox>
- Joe and Linda will follow-up with West Valley City to identify an AWG rep.